

## ABSTRACT

A spherical aberration correcting apparatus is incorporated in an information recording system and gives the system a function of correcting spherical aberration in a real-time and effective manner under a recording operation of pieces of information. The spherical aberration correcting apparatus comprises a recording unit, reflected-light level detecting unit, correction amount deciding unit, and spherical aberration correcting unit. The recording unit records a piece of information through radiation of an optical beam onto an optical disk. The detecting unit detects a level of light formed of the optical beam reflected from the optical disk under a recording operation for the information, while the deciding unit decides a correction amount for spherical aberration on the basis of the level of the reflected-light. The correcting unit corrects the spherical aberration by using the correction amount.